

0590  
1025

J. [signature]

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4-5

## RAW SEQUENCE LISTING

DATE: 10/24/2001

PATENT APPLICATION: US/09/854,845

TIME: 15:00:16

Input Set : A:\LEX-0177-USA SEQLIST.txt

Output Set: N:\CRF3\10242001\I854845.raw

3 <110> APPLICANT: Walke, D. Wade  
 4 Wang, Xiaoming  
 5 Scoville, John  
 6 Turner, C. Alexander Jr.  
 8 <120> TITLE OF INVENTION: Novel Human Semaphorin Homologs and Polynucleotides Encoding  
 the Same  
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 C--> 12 <141> CURRENT FILING DATE: 2001-05-14 OK  
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 13 <151> PRIOR FILING DATE: 2000-05-18  
 15 <150> PRIOR APPLICATION NUMBER: US 60/208,893  
 16 <151> PRIOR FILING DATE: 2000-06-02  
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 31 gctccagtg aggacacgcg ccgtctctgc caaagcaaag ggaagactga ggaggagtgt 240  
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TIME: 15:00:16

Input Set : A:\LEX-0177-USA SEQLISTtxt

Output Set: N:\CRF3\10242001\I854845.raw

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61 aagacgtgca accccgaggg ctgccccgaa gtgcggcgca acaccccctg gacgccgtgg 2040
62 ctgcccgtga acgtgacgca gggcggggca cggcaggagc agcggttccg cttcacctgc 2100
63 cgcgcgcccc ttgcagaccc gcacggcctg cagttcggca ggagaaggac cgagacgagg 2160
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78 aagaataact tgatccctga tgacagagcc aacttctacc cattgcagca gaccaatgtg 3060
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82 &lt;210&gt; SEQ ID NO: 2

83 &lt;211&gt; LENGTH: 1049

84 &lt;212&gt; TYPE: PRT

85 &lt;213&gt; ORGANISM: homo sapiens

87 &lt;400&gt; SEQUENCE: 2

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89 1 5 10 15
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91 20 25 30
92 Gly Asn Gln Leu Ile Val Gly Ala Arg Asn Tyr Leu Phe Arg Leu Ser
93 35 40 45
94 Leu Ala Asn Val Ser Leu Leu Gln Ala Thr Glu Trp Ala Ser Ser Glu
95 50 55 60
96 Asp Thr Arg Arg Ser Cys Gln Ser Lys Gly Lys Thr Glu Glu Glu Cys
97 65 70 75 80
98 Gln Asn Tyr Val Arg Val Leu Ile Val Ala Gly Arg Lys Val Phe Met
99 85 90 95
100 Cys Gly Thr Asn Ala Phe Ser Pro Met Cys Thr Ser Arg Gln Val Gly
101 100 105 110
102 Asn Leu Ser Arg Thr Ile Glu Lys Ile Asn Gly Val Ala Arg Cys Pro
103 115 120 125
104 Tyr Asp Pro Arg His Asn Ser Thr Ala Val Ile Ser Ser Gln Gly Glu
105 130 135 140
106 Leu Tyr Ala Ala Thr Val Ile Asp Phe Ser Gly Arg Asp Pro Ala Ile

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108 Tyr Arg Ser Leu Gly Ser Gly Pro Pro Leu Arg Thr Ala Gln Tyr Asn
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110 Ser Lys Trp Leu Asn Glu Pro Asn Phe Val Ala Ala Tyr Asp Ile Gly
111          180          185          190
112 Leu Phe Ala Tyr Phe Phe Leu Arg Glu Asn Ala Val Glu His Asp Cys
113          195          200          205
114 Gly Arg Thr Val Tyr Ser Arg Val Ala Arg Val Cys Lys Asn Asp Val
115          210          215          220
116 Gly Gly Arg Phe Leu Leu Glu Asp Thr Trp Thr Thr Phe Met Lys Ala
117 225          230          235          240
118 Arg Leu Asn Cys Ser Arg Pro Gly Glu Val Pro Phe Tyr Tyr Asn Glu
119          245          250          255
120 Leu Gln Ser Ala Phe His Leu Pro Glu Gln Asp Leu Ile Tyr Gly Val
121          260          265          270
122 Phe Thr Thr Asn Val Asn Ser Ile Ala Ala Ser Ala Val Cys Ala Phe
123          275          280          285
124 Asn Leu Ser Ala Ile Ser Gln Ala Phe Asn Gly Pro Phe Arg Tyr Gln
125          290          295          300
126 Glu Asn Pro Arg Ala Ala Trp Leu Pro Ile Ala Asn Pro Ile Pro Asn
127 305          310          315          320
128 Phe Gln Cys Gly Thr Leu Pro Glu Thr Gly Pro Asn Glu Asn Leu Thr
129          325          330          335
130 Glu Arg Ser Leu Gln Asp Ala Gln Arg Leu Phe Leu Met Ser Glu Ala
131          340          345          350
132 Val Gln Pro Val Thr Pro Glu Pro Cys Val Thr Gln Asp Ser Val Arg
133          355          360          365
134 Phe Ser His Leu Val Val Asp Leu Val Gln Ala Lys Asp Thr Leu Tyr
135          370          375          380
136 His Val Leu Tyr Ile Gly Thr Glu Ser Gly Thr Ile Leu Lys Ala Leu
137 385          390          395          400
138 Ser Thr Ala Ser Arg Ser Leu His Gly Cys Tyr Leu Glu Glu Leu His
139          405          410          415
140 Val Leu Pro Pro Gly Arg Arg Glu Pro Leu Arg Ser Leu Arg Ile Leu
141          420          425          430
142 His Ser Ala Arg Ala Leu Phe Val Gly Leu Arg Asp Gly Val Leu Arg
143          435          440          445
144 Val Pro Leu Glu Arg Cys Ala Ala Tyr Arg Ser Gln Gly Ala Cys Leu
145          450          455          460
146 Gly Ala Arg Asp Pro Tyr Cys Gly Trp Asp Gly Lys Gln Gln Arg Cys
147 465          470          475          480
148 Ser Thr Leu Glu Asp Ser Ser Asn Met Ser Leu Trp Thr Gln Asn Ile
149          485          490          495
150 Thr Ala Cys Pro Val Arg Asn Val Thr Arg Asp Gly Gly Phe Gly Pro
151          500          505          510
152 Trp Ser Pro Trp Gln Pro Cys Glu His Leu Asp Gly Asp Asn Ser Gly
153          515          520          525
154 Ser Cys Leu Cys Arg Ala Arg Ser Cys Asp Ser Pro Arg Pro Arg Cys
155          530          535          540

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156 Gly Gly Leu Asp Cys Leu Gly Pro Ala Ile His Ile Ala Asn Cys Ser
157 545 550 555 560
158 Arg Asn Gly Ala Trp Thr Pro Trp Ser Ser Trp Ala Leu Cys Ser Thr
159 565 570 575
160 Ser Cys Gly Ile Gly Phe Gln Val Arg Gln Arg Ser Cys Ser Asn Pro
161 580 585 590
162 Ala Pro Arg His Gly Gly Arg Ile Cys Val Gly Lys Ser Arg Glu Glu
163 595 600 605
164 Arg Phe Cys Asn Glu Asn Thr Pro Cys Pro Val Pro Ile Phe Trp Ala
165 610 615 620
166 Ser Trp Gly Ser Trp Ser Lys Cys Ser Ser Asn Cys Gly Gly Gly Met
167 625 630 635 640
168 Gln Ser Arg Arg Arg Ala Cys Glu Asn Gly Asn Ser Cys Leu Gly Cys
169 645 650 655
170 Gly Val Glu Phe Lys Thr Cys Asn Pro Glu Gly Cys Pro Glu Val Arg
171 660 665 670
172 Arg Asn Thr Pro Trp Thr Pro Trp Leu Pro Val Asn Val Thr Gln Gly
173 675 680 685
174 Gly Ala Arg Gln Glu Gln Arg Phe Arg Phe Thr Cys Arg Ala Pro Leu
175 690 695 700
176 Ala Asp Pro His Gly Leu Gln Phe Gly Arg Arg Arg Thr Glu Thr Arg
177 705 710 715 720
178 Thr Cys Pro Ala Asp Gly Ser Gly Ser Cys Asp Thr Asp Ala Leu Val
179 725 730 735
180 Glu Asp Leu Leu Arg Ser Gly Ser Thr Ser Pro His Thr Val Ser Gly
181 740 745 750
182 Gly Trp Ala Ala Trp Gly Pro Trp Ser Ser Cys Ser Arg Asp Cys Glu
183 755 760 765
184 Leu Gly Phe Arg Val Arg Lys Arg Thr Cys Thr Asn Pro Glu Pro Arg
185 770 775 780
186 Asn Gly Gly Leu Pro Cys Val Gly Asp Ala Ala Glu Tyr Gln Asp Cys
187 785 790 795 800
188 Asn Pro Gln Ala Cys Pro Val Arg Gly Ala Trp Ser Cys Trp Thr Ser
189 805 810 815
190 Trp Ser Pro Cys Ser Ala Ser Cys Gly Gly Gly His Tyr Gln Arg Thr
191 820 825 830
192 Arg Ser Cys Thr Ser Pro Ala Pro Ser Pro Gly Glu Asp Ile Cys Leu
193 835 840 845
194 Gly Leu His Thr Glu Glu Ala Leu Cys Ala Thr Gln Ala Cys Pro Glu
195 850 855 860
196 Gly Trp Ser Pro Trp Ser Glu Trp Ser Lys Cys Thr Asp Asp Gly Ala
197 865 870 875 880
198 Gln Ser Arg Ser Arg His Cys Glu Glu Leu Leu Pro Gly Ser Ser Ala
199 885 890 895
200 Cys Ala Gly Asn Ser Ser Gln Ser Arg Pro Cys Pro Tyr Ser Glu Ile
201 900 905 910
202 Pro Val Ile Leu Pro Ala Ser Ser Met Glu Glu Ala Thr Gly Cys Ala
203 915 920 925
204 Gly Phe Asn Leu Ile His Leu Val Ala Thr Gly Ile Ser Cys Phe Leu

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206 Gly Ser Gly Leu Leu Thr Leu Ala Val Tyr Leu Ser Cys Gln His Cys
207 945      950      955      960
208 Gln Arg Gln Ser Gln Glu Ser Thr Leu Val His Pro Ala Thr Pro Asn
209      965      970      975
210 His Leu His Tyr Lys Gly Gly Gly Thr Pro Lys Asn Glu Lys Tyr Thr
211      980      985      990
212 Pro Met Glu Phe Lys Thr Leu Asn Lys Asn Asn Leu Ile Pro Asp Asp
213      995      1000      1005
214 Arg Ala Asn Phe Tyr Pro Leu Gln Gln Thr Asn Val Tyr Thr Thr Thr
215      1010      1015      1020
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/854,845

DATE: 10/24/2001

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Input Set : A:\LEX-0177-USA SEQLISTtxt

Output Set: N:\CRF3\10242001\I854845.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date